

Amend the claims as follows:

1.-19. (cancelled)

20. (currently amended) A method comprising evaluating the ability of a chemical entity to associate with an I-domain of the $\alpha 1$ chain of the $\alpha 1\beta 1$ integrin, or a complex comprising an I-domain of the $\alpha 1$ chain of the $\alpha 1\beta 1$ integrin ~~$\alpha 1$ -I domain~~ wherein:

(a) crystallographic coordinates of either (i) the I-domain of the $\alpha 1$ chain of the $\alpha 1\beta 1$ integrin ~~$\alpha 1$ -I domain~~ or (ii) a complex comprising an I-domain of the $\alpha 1$ chain of an $\alpha 1\beta 1$ integrin ~~$\alpha 1$ -I domain~~, are used in a fitting operation between the chemical entity and said I-domain of the $\alpha 1$ chain of the $\alpha 1\beta 1$ integrin ~~I domain~~ or complex comprising an I-domain of the $\alpha 1$ chain of an $\alpha 1\beta 1$ integrin ~~thereof, thereby obtaining to obtain~~ data related to said association; ~~and~~

(b) the degree of association between the chemical entity and either (i) the I-domain of the $\alpha 1$ chain of the $\alpha 1\beta 1$ integrin ~~$\alpha 1$ -I domain~~, or a (ii) the complex comprising an I-domain of the $\alpha 1$ chain of an $\alpha 1\beta 1$ integrin ~~$\alpha 1$ -I domain~~, is evaluated in a competition assay; and

(c) the crystallographic coordinates of the I-domain of the $\alpha 1$ chain of the $\alpha 1\beta 1$ integrin are substantially identical to those listed in Table II herein.

21.-33. (cancelled).

34. (currently amended) A method for evaluating the binding of a composition to an an I-domain of the $\alpha 1$ chain of an $\alpha 1\beta 1$ integrin ~~$\alpha 1$ -I domain~~ comprising:

(a) crystallizing an I-domain of the $\alpha 1$ chain of an $\alpha 1\beta 1$ integrin ~~$\alpha 1$ -I domain~~ by reacting a proteolytically digested ~~$\alpha 1$ -I domain~~ I-domain of the $\alpha 1$ chain of an $\alpha 1\beta 1$ integrin in a buffered crystallization solvent comprising a surfactant;

(b) determining the crystal coordinates of the crystallized $\alpha 1$ -I domain;

(c) using the crystal coordinates of the crystallized $\alpha 1$ -I domain to identify computationally a composition which bind to the $\alpha 1$ -I domain; and

(d) using a competition assay to assess the extent to which the composition binds to the $\alpha 1$ -I domain; wherein the crystallographic coordinates of the I-domain of the $\alpha 1$ chain of the $\alpha 1\beta 1$ integrin are substantially identical to those listed in Table II herein.

35. (previously presented) The method of claim 34, wherein the crystallization solvent comprises a PEG surfactant and a sodium-containing buffer and the crystallized α 1-I domain is frozen before its crystal coordinates are determined.
36. (previously presented) The method of claim 34, wherein the proteolytically digested α 1-I domain is in a des 1-18 form.
37. (previously presented) The method of claim 35, wherein the proteolytically digested α 1-I domain is in a des 1-18 form.